

Title (en)

METHOD OF PRODUCING A PHOTOCHROMIC LAMINATE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PHOTOCHROMEN LAMINAT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN LAMINÂT PHOTOCHROMIQUE

Publication

EP 3330751 B1 20210526 (EN)

Application

EP 16841986 A 20160826

Priority

- JP 2015173953 A 20150903
- JP 2016075739 W 20160826

Abstract (en)

[origin: EP3330751A1] To provide a photochromic coating composition comprising (A) a polyrotaxane having a composite molecular structure formed by an axial molecule and a plurality of cyclic molecules clathrating the axial molecule, (B) a photochromic compound and (C) a polyurethane resin and/or precursor thereof. This composition provides a laminate which exhibits excellent photochromic properties (color optical density and fading speed), moldability and surface hardness.

IPC 8 full level

C08G 83/00 (2006.01); **C09D 171/00** (2006.01); **C09D 175/00** (2006.01); **C09D 201/00** (2006.01); **G02B 5/23** (2006.01); **G02C 7/10** (2006.01)

CPC (source: EP KR US)

C07D 311/78 (2013.01 - EP KR US); **C08G 83/007** (2013.01 - EP KR US); **C09B 11/02** (2013.01 - KR US); **C09B 57/00** (2013.01 - EP); **C09B 69/109** (2013.01 - EP); **C09D 5/29** (2013.01 - US); **C09D 7/63** (2017.12 - KR); **C09D 171/00** (2013.01 - KR US); **C09D 175/00** (2013.01 - EP US); **C09D 175/04** (2013.01 - KR US); **C09D 201/005** (2013.01 - EP KR US); **C09K 9/02** (2013.01 - EP KR US); **G02B 5/23** (2013.01 - EP KR US); **G02C 7/10** (2013.01 - EP KR US); **G02C 7/102** (2013.01 - KR); **C09K 2211/1007** (2013.01 - KR US); **C09K 2211/1018** (2013.01 - KR US); **G02C 7/102** (2013.01 - US)

Cited by

US10494488B2; US11578174B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3330751 A1 20180606; **EP 3330751 A4 20181212**; **EP 3330751 B1 20210526**; CN 107835951 A 20180323; ES 2881772 T3 20211130; JP WO2017038957 A1 20180816; KR 20180048582 A 20180510; MX 2018002532 A 20180627; US 2018244931 A1 20180830; WO 2017038957 A1 20170309

DOCDB simple family (application)

EP 16841986 A 20160826; CN 201680040917 A 20160826; ES 16841986 T 20160826; JP 2016075739 W 20160826; JP 2017538119 A 20160826; KR 20187002091 A 20160826; MX 2018002532 A 20160826; US 201615757291 A 20160826